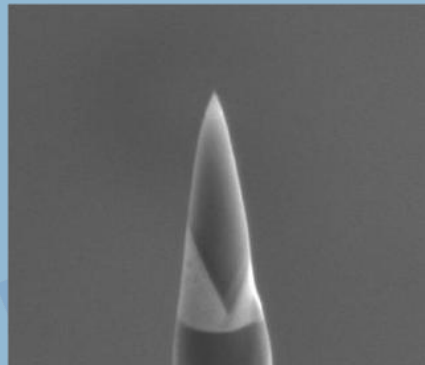




Product Portfolio:
**Environmentally Controlled
Sample Transfer**



» Ultra-High Vacuum (UHV) is a very interesting vacuum range for surface analysis. Indeed, in the **HV** range a monolayer deposits **every 4 seconds**, and in the **UHV** range a monolayer deposits **every 4 days**. «

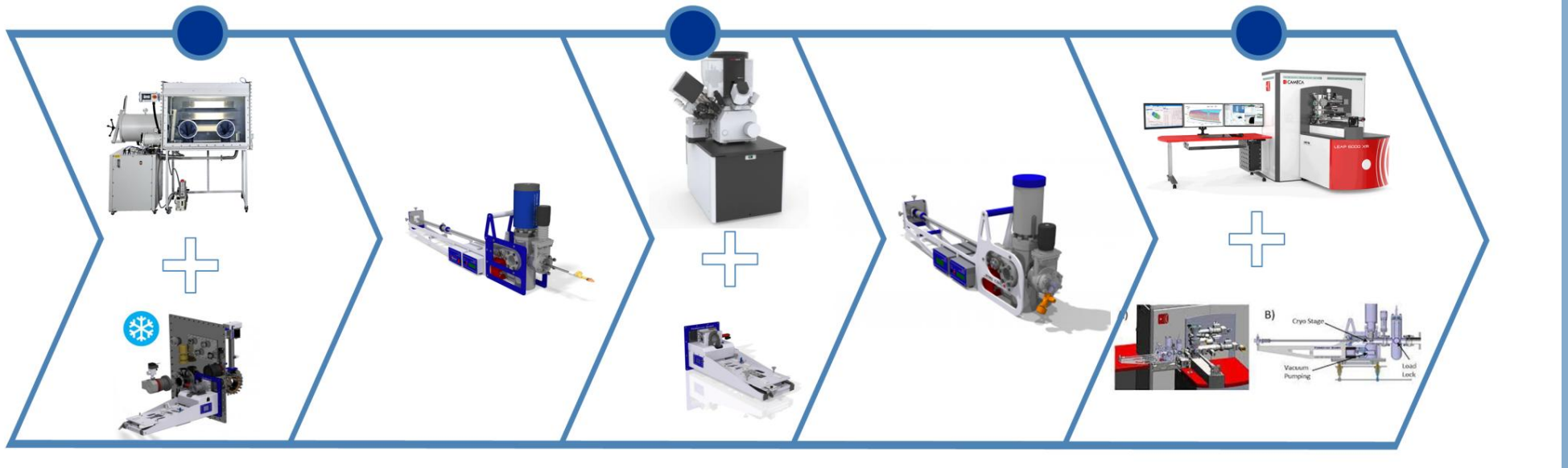



Environmentally Controlled Sample Transfer

For reliable experimental results, the environment of a sample must be ultimately controlled at all times during an experimental workflow.


Together with our partners and selected customers, we have established a full environmentally controlled workflow with sample transfer at cryogenic temperature and under ultra high vacuum conditions.

FerroLoader™



Check with your favorite analytical device manufacturer if their device is FerroLoader™  ready



Ferrovac enables scientists to interconnect the world of science with the FerroLoader™  Interface

Ultra High Vacuum Cryo Transfer Suitcase →UHVCTS

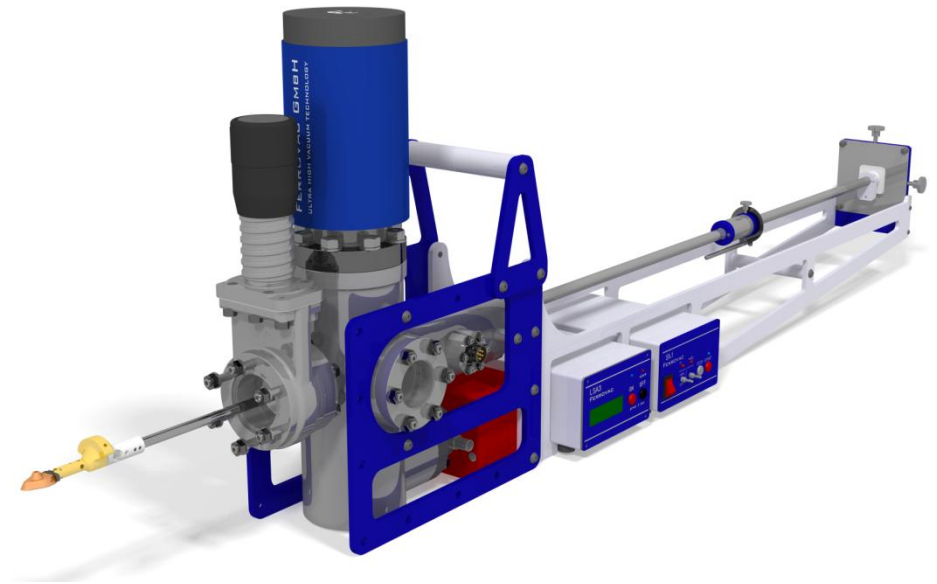
UHV & Cryo

Equipped with a liquid nitrogen dewar for active sample cooling, thermal shields enshrouding the sample, as well as a temperature measuring kit, the Ultra High Vacuum Cryo Transfer Suitcase (UHVCTS) enables transport of sensitive samples at cryogenic temperatures under true UHV conditions (E-11mbar). The UHVCTS is, especially compact, lightweight, robust and easy to use.

In our patented design, the sample is situated within a customized cryo shield inside the suitcase in order to be protected from contamination coming off the chamber walls while the sample is cold. Integrated viewports in the shields allow for observation of the sample inside.

Patent Protected: WO 2020/119956

International Publication Number



Sample Holder Compatibility

The UHVCTS is available for various sample holders like ...

Flag Style Sample Plates

→ SHOM



Atom Probe Puck

→ SHAP



Dove Tail Sample Holder

→ SHDO

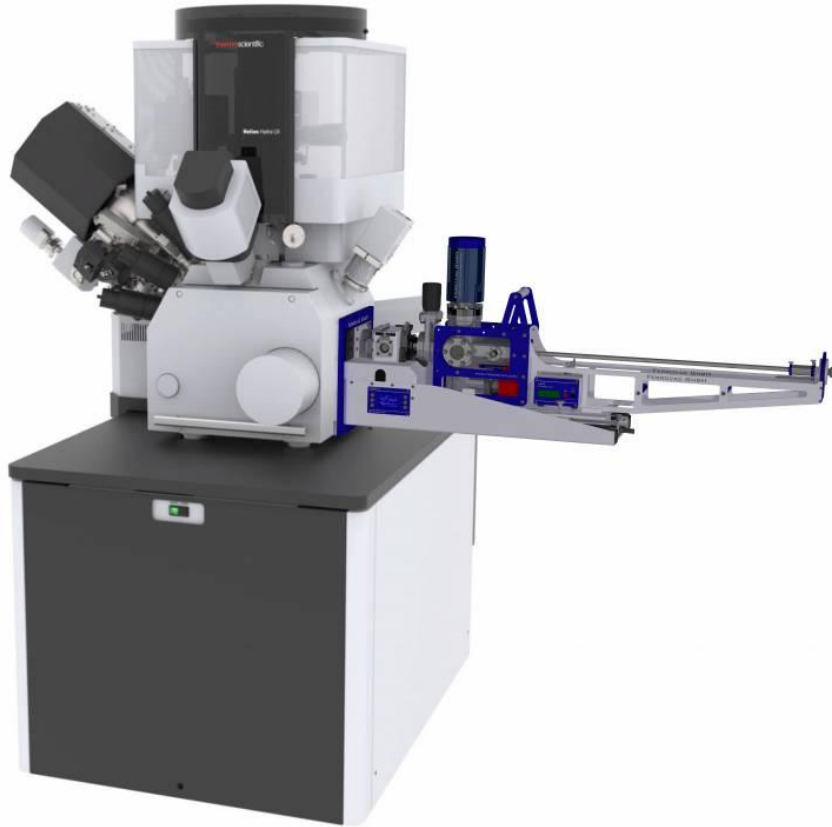


... please contact us for other configurations

ThermoFisher
SCIENTIFIC



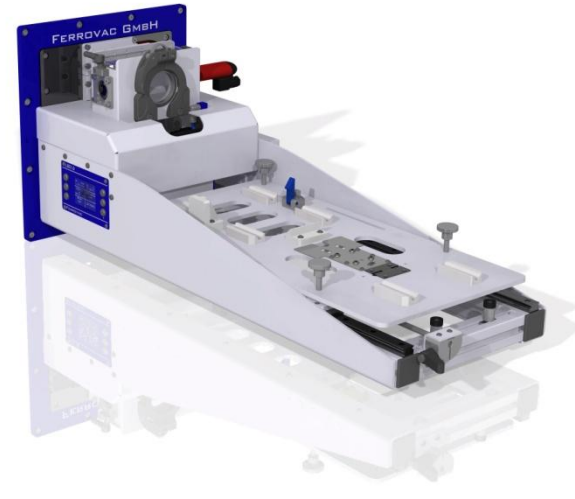
FerroLoader™
Compatible



Application Example:

Helios G4 PFIB Uxe Dual Beam™ FIB/SEM with FerroLoader™ and UHVCTS

FERROVAC
ULTRA HIGH VACUUM TECHNOLOGY



Docking Kit for Thermo Fisher Helios DualBeam™ FIB-SEM

A combined docking system for the UHVCTM and fast entry lock that fits to the "L-Port" of all Helios™, Scios™, Aquilos™ and similar Thermo Fisher instruments.

To upgrade your existing or new Thermo Fisher instrument, please contact your local Thermo Fisher representative.



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